

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M115363	Client:	Alaskan Copper Works
Date Received:	12/07/06	Project:	PO# M115363, F&BI 612067
Date Extracted:	12/08/06	Lab ID:	612067-01 10x
Date Analyzed:	12/08/06	Data File:	612067-01 10x.057
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	90	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	667
Nickel	766
Copper	559
Zinc	31.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M115363, F&BI 612067
Date Extracted:	12/08/06	Lab ID:	I6-442 mb
Date Analyzed:	12/08/06	Data File:	I6-442 mb.044
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	91	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)

Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/06

Date Received: 12/07/06

Project: Metro Self Monitor, PO# M115363, F&BI 612067

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 612059-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	5.98	5.71	5	0-20
Nickel	ug/L (ppb)	1.78	1.84	3	0-20
Copper	ug/L (ppb)	3.60	3.26	10	0-20
Zinc	ug/L (ppb)	10.6	9.08	15	0-20

Laboratory Code: 612059-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	5.98	113 b	50-150
Nickel	ug/L (ppb)	20	1.78	104	50-150
Copper	ug/L (ppb)	20	3.60	105	50-150
Zinc	ug/L (ppb)	50	10.6	101 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	104	70-130
Nickel	ug/L (ppb)	20	107	70-130
Copper	ug/L (ppb)	20	107	70-130
Zinc	ug/L (ppb)	50	104	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

612067

SAMPLE CHAIN OF CUSTODY

ME 12/07/06

A14

Send Report To GERALD Thompson
 Company Alaskan Copper Works
 Address 628 S. Harbor St
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8379 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

Metro Self Monitor

PO #

M115363

REMARKS

Fax Results ASAP

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

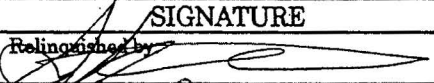
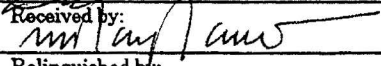
☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes			
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS								
M 115363	01	12/7/06	12:30	H2O	1								X						

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	G. Thompson	Alaskan Copper Works	12-7-06	1:30
Received by: 	Nhan Phan	FeBI	12/7/06	V
Relinquished by:				
Received by:				

Samples received at 19°C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
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December 13, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 7, 2006 from the Metro Self Monitor, PO# M115363, F&BI 612067 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU1213R.DOC